



Patent Plaques



## JP56002848A: EXHAUST GAS CLEANING CATALYST AND ITS MANUFACTURE

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Abstract: **Purpose:** To manufacture a catalyst for cleaning NOx, CO, etc., present in the exhaust gas, having a highly efficient cleaning capability, at low cost by depositing platinum, palladium, etc., on a porous sintered body consisting of magnesia, alumina, iron oxide, etc., as a carrier.

**Constitution:** A mixture of alumina-magnesia spinel ( $\text{MgAl}_2\text{O}_4$ ),  $\text{Al}_2\text{O}_3$ , and  $\text{MgO}$ , together with any one or both of iron oxide and manganese oxide, or cerium oxide, etc., in which the amount of  $\text{Al}_2\text{O}_3$  and  $\text{MgO}$  is 25wt% or less on the basis of the spinel, is molded into a desired shape and then heated to obtain a porous sintered body. Then, the sintered body as a carrier is deposited with a catalyst component composed of any one or both of platinum and palladium in order to manufacture a cleaning catalyst capable of removing hydrocarbons, NOx, CO, etc., present in the exhaust gas from an internal combustion engine, etc., having excellent high-temperature strength and durability, at low cost.

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Foreign References: n ne

(No patents reference this one)